

CHARLES L. HOSLER

Biographical Sketch

Personal Items

Date and Place of Birth: 3 June 1924; Honey Brook, PA
Home Address: 1229 Smithfield Circle
State College, PA 16801
Home Phone: 814-237-7115
Office Address: 617 Walker Building
University Park, PA 16802
Office Phone: 814-863-8358
Marital Status: Married with four children

Education

Bucknell University
Massachusetts Institute of Technology
The Pennsylvania State University 1947 B.S. Meteorology
The Pennsylvania State University 1948 M.S. Meteorology
The Pennsylvania State University 1951 Ph.D. Meteorology

Military Service

Lt. Commander, USNR, retired
Active Duty: 1 July 1943 to 21 July 1946 - Pacific Asiatic Theatre
Naval Reserve Unit 4-4, 1949-1966

Professional Experience at The Pennsylvania State University

1947-1948	Graduate Assistant in Meteorology
1948-1951	Instructor in Meteorology
1949-1959	Hydrographer Federal State Flood Forecasting Service
1951-1954	Assistant Professor of Meteorology
1954-1960	Associate Professor of Meteorology
1960-present	Professor of Meteorology
1961-1965	Head of the Department of Meteorology
1965-1985	Dean of the College of Earth and Mineral Sciences
1985-1988	Vice President for Research and Dean of the Graduate School
1988-1992	Senior Vice President for Research and Dean of the Graduate School
1990-1991	Acting Executive Vice President and Provost of the University, and Senior Vice President for Research and Dean of the Graduate School
1992	Retired, 4 March 1992

Honors and Memberships

- * National Academy of Engineering (Elected 1978)
- * American Meteorological Society (Elected Fellow)
- * 1956 American Geophysical Union Award for outstanding contribution to the field of hydrology in 1955
- * John E. Wilkinson Award for Administrative Excellence, 1981
- * Charles Franklin Brooks Award for Outstanding Service to the American Meteorological Society, 1981
- * Golden Key National Honor Society Outstanding Faculty Award, 1982
- * Sigma Xi (Past President Penn State Chapter)
- * Tau Beta Pi
- * Triangle Fraternity
- * Sigma Gamma Epsilon
- * Alpha Phi Omega (Advisor)
- * American Association for Advancement of Science

Current Professional Activities Include

Planning Commission, American Meteorological Society, 1979 - present
Executive Committee, Panel of Experts on Education and Training, World Meteorological Organization (U.S. Representative)
Environmental Effects, Transport and Fate Committee, Science Advisory Board, U.S. Environmental Protection Agency, 1982
Member, National Science Board, 1985-1994
Member, Ad Hoc Committee on Environmental Research, National Science Board
Chairman, Committee on Nominees, National Science Board
Member, Committee on Programs and Plans, National Science Board
1989 Committee on Fellows, American Meteorological Society
STORM Steering Committee, American Meteorological Society
President, Pennsylvania Research Corporation
Advisory Board of the Pennsylvania Geographic Alliance, 1989-present
Chairman, National Weather Service Modernization Committee, National Research Council, 1989-present
Chairman, Advisory Committee, Pennsylvania Academy of Sciences

Past Professional Activities

Weather Modification Panel of the National Science Foundation, 1968
Atmospheric Science Panel of the National Science Foundation, 1969-1970
National Lecturer XI, 1970-1972
National Lecturer American Chemical Society, 1972
National Academy of Sciences, National Academy of Engineering Commission
Advisory Committee to Environmental Science Services Administration on Weather and River Services, 1970
Cloud Physics Committee of the American Geophysical Union, 1963-1967
Commissioner for Education and Manpower - American Meteorological Society, 1968-1970
Board on Radio & TV Weathercasting, 1967-1972
National Academy of Sciences - National Academy of Engineering Committee
Advisory to the National Oceanic and Atmospheric Administration and Chairman of Panel on Weather Modification, 1972-1973
Meteorology & Atmospheric Environmental Quality Panel, National Aeronautics and Space Administration, 1972-1973
Stormfury Advisory Panel, National Oceanic and Atmospheric Administration-United States Navy, 1969-1975

(Past Professional Activities Cont'd.)

Advisory Committee to the Pennsylvania Water Resources Center, 1970-1975
Meteorology Advisory Committee, Environmental Protection Agency, 1970-1975
Space Shuttle Scientific Committee, National Aeronautics and Space Administration, 1977
Council and Secretary of Executive Committee, American Meteorological Society, 1970-1974
American Meteorological Society Film Panel, 1969
Chairman, Board of Professional Ethics, American Meteorological Society, 1972-1976
American Society of Civil Engineers Task Committee on Weather Modification Planning and Policy, 1970-1975
National Advisory Committee on Oceans and Atmosphere, 1972-1975
President, American Meteorological Society, 1976
Cooling Tower Research Committee, American Society of Mechanical Engineers, 1973-1979
Atmospheric Cloud Physics Laboratory (ACPL) Subcommittee of the Applications Steering Committee, National Aeronautics and Space Administration Committee on Atmospheric Sciences, National Academy of Sciences, National Academy of Engineering, 1975-1978
American Association of Universities Advisory Committee on Energy Research, 1979
Select Committee on National Weather Service of the National Academy of Sciences, 1979-1980
Chairman, Stormfury Advisory Panel, National Academy of Sciences, National Academy of Engineering, 1975-1982
Chairman, Weather Modification Advisory Panel of the Office of Science and Technology Policy, 1980-1982
Board on Atmospheric Science and Climate - National Research Council, 1982-1984
Chairman, White House Briefing Group on Atmospheric Sciences, 1983
National Research Council
Chairman of the Board of Trustees for University Corporation for Atmospheric Research (Acting President, 1983) 1982-1985
National Research Council, Commission on Physical Sciences, Mathematics, and Resources, 1984
Pennsylvania Weather Modification Board, 1967-1985
Mineral Resources Committee, National Association of State Universities and Land Grant Colleges, Executive Committee, 1978-1985
Treasurer, University Corporation for Atmospheric Research, 1985
Chairman, Board on Atmospheric Sciences and Climate, National Research Council, 1984-1986
Geophysics Research Forum (GRF), National Research Council, 1984-1986
Chairman, Nominating Committee, American Meteorological Society, 1986
Chairman, Education and Human Resources Committee, National Science Board
Member, Nominating Committee, National Academy Engineering, 1987
Chairman of the Board, Advanced Technology Center of Central and Northern Pennsylvania, Inc., 1986-1988
Member, Audit and Oversight Committee, National Science Board
Member, Committee on Economic Competitiveness, National Science Board
Member, Committee on Openness of Scientific Communications, National Science Board
Chaired the Panel on Meteorological Support for Space Operations, National Research Council, 1987-1988
Director, Advanced Technology Center of Central and Northern Pennsylvania, Inc., 1988-1990

University and Community Activities

University Senate
University Senate Library Committee
Faculty Advisory Council (Milton Eisenhower)
Graduate School Lecture Committee
1980 Committee (in 1960 for Eric Walker)
Tenure Review
Faculty Rights and Responsibilities
Admissions Committee
Chairman, Council of Deans, 1977
Chairman of United Way, University Park, 1981
1st Vice President, Board of Directors, Centre County United Way, 1985 (County Chairman, 1983)
Chairman of Central Pennsylvania Committee for Revising the Pennsylvania Constitution, 1968
Numerous search committees
Perhaps 100 miscellaneous University committees

Teaching and Lecturing

Undergraduate and graduate courses in meteorology, one undergraduate course in humanities; in excess of 1000 invited public lectures in U.S. and abroad; taught courses in six universities and on T.V.; extensive experience in T.V. video taping and motion picture production; 12 years T.V. weather program. National lecturer for: American Meteorological Society, Sigma Xi, American Chemical Society.

Research

Thirty years of experience in contract research for the U.S. Air Force, National Science Foundation, Department of Interior, U.S. Department of Agriculture Commission of Pennsylvania, National Aeronautics and Space Administration (NASA), McDonnell Douglas, Atomic Energy Commission, Hazelton Nuclear Science, etc.

Consultant Services

Numerous private corporations and government agencies, weather modification, weather and other environmental effects of cooling towers, Zero-G cloud physics in space, U.S. Senate and House Committees (testimony 20 occasions). An advisor on meteorological matters to President Dwight Eisenhower.

Publications

90 Refereed Publications.

Travel

In connection with research and as a lecturer, travelled extensively in Europe, Britain, Soviet Union, People's Republic of China, Japan, Central and South America, Caribbean, India, Australia, Africa and numerous Pacific Islands.

Affirmative Action

From 1956 to 1968, spent six weeks each year working with science teachers in black institutions of higher learning in the southern United States. The only earth science graduate program at a black institution in the United States was started at Virginia State University, Petersburg, Virginia as a result of this work. Through a continuing relationship with former students and faculty at these institutions, maintained up to the present; has been instrumental in helping hundreds of black students acquire degrees; found financial resources for, and sponsored, a number of graduate students at Penn State, three of whom obtained doctorates and three obtained master's degrees.

Recreation

Ran half-mile in high school, Bucknell, and M.I.T.; was on soccer team at Bucknell; played baseball and boxed. Enjoy fishing, hunting canoeing, hiking, and other outdoor activities. An avid follower of the national and international political and economic scene.